

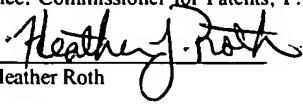


## CERTIFICATE OF MAIL(37 CFR 1.8)

PATENT

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being submitted by First Class mail to the U.S. Patent and Trademark Office: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Date: April 8, 2004

  
Heather Roth

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SERIAL NUMBER 10/790,330	FILING DATE 1 March 2004	FIRST NAMED INVENTOR Konig	ATTY. DKT. NO. HMM-100
TITLE Method and System for Advertisement Detection and Substitution		ART UNIT Unknown	EXAMINER Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

In accordance with the provisions of 37 C.F.R. §1.97, Applicants hereby wish to make of record the references listed on the accompanying PTO Form 1449 for consideration by the Examiner in the examination of the above-identified patent application. Copies of the patent documents are enclosed.

This Information Disclosure Statement is being submitted:

- ☒ (1) within three (3) months of the filing date, entry into national phase in an international application or before the mailing date of the First Office Action; or
- ☐ (2) after the period defined in (1) above but before the mailing date of a Final Rejection or Notice of Allowance, and
- ☐ Certification is made below, or
- ☐ The check, or authorization to charge deposit account no. 501535, in the amount of the fee set forth by 37 C.F.R. §1.17(p) is attached.
- ☐ (3) after the mailing date of a Final Rejection or Notice of Allowance but before the payment of the Issue Fee, and
- ☐ Applicant hereby Petitions the Commissioner to consider the attached references; Certification is made below and the fee is included.

Attached hereto is Form PTO-1449 listing documents believed to be relevant to the above-captioned application. It is respectfully requested that these documents be considered by the Examiner. The relevance of each non-English document will be discussed as follows:

**REMARKS:**

This disclosure statement should not be construed as a representation that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures § 609. If for some reason the Examiner considers otherwise, it is requested that the undersigned be contacted by telephone promptly so that any deficiency can be remedied.

Some of the documents may have markings thereon. No significance is intended to be attached to the markings.

The submission of these documents is not intended to be deemed an admission that they constitute analogous art.

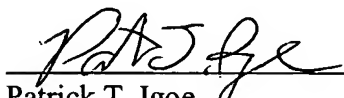
**CERTIFICATION**

Applicant(s) certify that:

- ☐ (1) Each item or reference was cited in a communication from a foreign patent office in a corresponding foreign application not more than three months prior to the filing date of the Statement; or

- ☐ (2) No item or reference was cited in a communication from a foreign patent office in a corresponding foreign application or, to the knowledge of the Applicant(s), was not known more than three months prior to the filing of the Statement.

Respectfully submitted,

  
Patrick T. Igoe  
Reg. No. 55,292

Date: April 8, 2004

Technology Patents Licensing, Inc.  
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PTO/SB/21 (02-04)  
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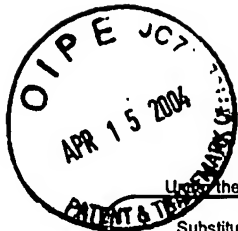
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10790,330	
	Filing Date	1 March 2004	
	First Named Inventor	Konig	
	Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	370	Attorney Docket Number	HMM-100

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Patrick T. Iggoe	
Signature		
Date	8 April 2004	

CERTIFICATE OF TRANSMISSION/MAILING		
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Typed or printed name		
Signature		Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2**Complete if Known**

Application Number	10/790,330
Filing Date	1 March 2004
First Named Inventor	Richard Konig
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	HMM-100

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 5319455	06/07/1994	Hoarty et al	
	AB	US- 5999689	12/07/1999	Iggulden	
	AC	US- 6404977	06/11/2002	Iggulden	
	AD	US- 20020083439A1	06/27/2002	Eldering	
	AE	US- 20020194592A1	12/19/2002	Tsuchida et al	
	AF	US- 20030115595A1	06/19/2003	Stevens et al	
	AG	US- 20030192045A1	10/09/2003	Fellenstein et al	
	AH	US- US20030192050A1	10/09/2003	Fellenstein et al	
	AI	US- US20030227475A1	12/11/2003	Fellenstein et al	
	AJ	US- US20040019904A1	01/29/2004	Fellenstein et al	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	BA	WO0054504A1	09/14/2000	Goldman et al		
	BB	WO9856128A1	12/10/1998	Perlman et al		
	BC	WO9966719A1	12/23/1999	Zigmond et al		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/790,330
		Filing Date	1 March 2004
		First Named Inventor	Richard Konig
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet 2	of 2	Attorney Docket Number	HMM-100

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	RAINER LIENHART et al, On the Detection and REcognition of Television Commercials, University of Mannheim, Praktische Informatik Vol IV, April 1997, 509-516, Mannheim, Germany	
	CB	Product Literature, "A Feature-Based Algorithm for Detecting and Classifying Production Effects" printed from <a href="http://www.c.s.cornell.edu/rdz/Papers/Archive/90070119">http://www.c.s.cornell.edu/rdz/Papers/Archive/90070119</a> on 03/26/04.	
	CC	Product Literature, Mork, Peter et al, "Indexing Tamper Resistant Features for Image Copy Detection," printed from the <a href="http://www-db.stanford.edu/chenli/rime/demo1.0.html">http://www-db.stanford.edu/chenli/rime/demo1.0.html</a> on 03/26/04; 1999; 5 pp.	
	CD	IEEE Paper "Localizing and Segmenting Text in Images and Videos" by LIENHART, R. and WERNICKE, A., 04/2002, 13 pp.	
	CE	MINERVA M. YEUNG & BEDE LIU, Efficient Matching and Clustering of Video Shots, September 1995, 338-341, Princeton Univeristy, Princeton, NJ	

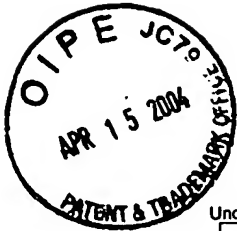
Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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\_\_\_\_\_  
Signature

Heather J. Roth

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